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## 74. Family DROSOPHILIDAE

by

LÉONIDAS TSACAS

The Drosophilidae have a worldwide distribution, and are represented in the Afrotropical Region by about 260 species belonging in 18 genera. The largest genera are *Drosophila*, with over 100 species, and *Leucophenga*, with about 60 species, but there are a large number of species as yet undescribed. The Afrotropical fauna is for the most part endemic, only about seven per cent of the species having a distribution spreading outside the region.

Drosophilid flies are found mainly around spoiled fruit, on tree trunks, and on decaying plant matter, the adults and larvae feeding on the various micro-organisms that occur there. In the laboratory many species, mostly belonging to the genus *Drosophila*, have been raised on artificial media, and the ease with which this can be done has allowed them to be very extensively used in research on genetics, cytology and physiology.

Food habits are very diverse. Some species breed on flowers, and others, such as *Chymomyza*, are associated with fresh sap from tree wounds. Larvae of some *Leucophenga* species live in spittle-masses of Cercopidae nymphs, while those of some *Gitona* and *Cacoxenus* species are predaceous on mealy-bugs (Pseudococcidae). Larvae of some *Scaptomyza* species are leaf-miners, and those of the *Drosophila simulivora* group are aquatic and have the extraordinary habit of being predaceous on the larvae of Simuliidae and Chironomidae (Tsacas & Disney, 1974).

The taxonomic literature on Afrotropical Drosophilidae remains scattered, but Bächli (1972) has provided a revision of *Leucophenga*, and Burla (1954) has treated the fauna of the Ivory Coast. The ecology of Ivory Coast species has been studied by Lachaise (1974 and later papers) and Lachaise & Tsacas (1974).

The phylogeny of the genus *Drosophila* has been reviewed by Throckmorton (1962), and Wheeler (1959) and Wheeler & Hamilton (1972) have listed the species of this genus.

### Subfamily STEGANINAE

#### Genus AMIOTA Loew

**AMIOTA** Loew, 1862*b*:229. Type-species: *Amiota leucostoma* Loew, 1862, by designation of Coquillett (1910:505).

**PHORTICA** Schiner, 1862*c*:433. Type-species: *Drosophila variegata* Fallén, 1823, by original designation.

**africana** Malloch, 1925*d*:361. Uganda.

**fenestrata** Duda, 1939:14 (*Phortica*). South Africa & Uganda.

**flavithorax** Duda, 1939:16 (*Phortica*). South Africa.

**perpusilla** Walker, 1849:1121 (*Chlorops*). Sierra Leone; Uganda. Comb. n.

**sexpunctata** Séguy, 1938*j*:352 (*Drosophila*). Kenya. Comb. n.

**sobodo** Burla, 1954:36 (*Phortica*). Ivory Coast.

### Genus CACOXENUS Loew

**CACOXENUS** Loew, 1858e: 217. Type-species: *Cacoxenus indagator* Loew, 1858, by monotypy.

**PARAGITONA** Kröber, 1912d: 235. Type-species: *Paragitona obscura* Kröber, 1912 [= *Cacoxenus indagator* Loew, 1858], by monotypy.

### Subgenus GITONIDES Knab

**GITONIDES** Knab, 1914b: 165 (as genus). Type-species: *Gitonides perspicax* Knab, 1914, by monotypy.

**apidoxenus** Tsacas & Desmier, 1976: 501. Senegal; Cameroun.  
**frontalis** Collart, 1935d: 3 (*Gitona*). Zaire.

**perspicax** Knab, 1914b: 166 (*Gitonides*). Hawaii; Botswana, Kenya, Mauritius, Mozambique, Nigeria, Réunion, Somalia, South Africa, Uganda, India, Formosa, Malaya, Philippines, New Guinea, Australia.  
**paoili** Séguy, 1933b: 187 (*Gitona*). Somalia.

### Genus ERIMA Kertész

**ERIMA** Kertész, 1899: 193. Type-species: *Erima fasciata* Kertész, 1899, by monotypy.

**brincki** Hackman, 1960: 387. South Africa.

**capitata** Collart, 1937c: 121 (*Amiota*). Zaire.

**crassiseta** Hackman, 1960: 386. South Africa.

### Genus GITONA Meigen

**GITONA** Meigen, 1830: 129. Type-species: *Gitona distigma* Meigen, 1830, by monotypy.

**darwendalei** Duda, 1935a: 31. Rhodesia.

**punctatus** Curran, 1939d: 3 (*Zaprionus*). Rhodesia.

**gossypii** Séguy, 1933c: 35. Mozambique.

**inornata** Séguy, 1933c: 36. Mozambique; Kenya.

**magnipalpis** Duda, 1936: 348. Rhodesia.

**pauliani** Séguy, 1951h: 399. Madagascar; Ethiopia.

### Genus LEUCOPHENGA Mik

**LEUCOPHENGA** Mik, 1886b: 317. Type-species: *Drosophila maculata* Dufour, 1839, by original designation.

**OXYLEUCOPHENGA** Hendel, 1913c: 386. Type-species: *Oxyleucophenga undulata* Hendel, 1913, by original designation.

**DROSOMYIELLA** Hendel, 1914g: 113. Type-species: *Drosophila abbreviata* de Meijere, 1911, by original designation.

**PARALEUCOPHENGA** Oldenberg, 1914: 18. Type-species: *Leucophenga quinquemaculata* Strobl, 1893, by monotypy. [Junior homonym, preocc. *Paraleucophenga* Hendel, 1914.]

**NEOLEUCOPHENGA** Oldenberg, 1915: 93 (replacement name for *Paraleucophenga* Oldenberg).

**PTYELUSIMYIA** Séguy, 1932c: 93. Type-species: *Ptyelusimyia decaryi* Séguy, 1932, by original designation. **Syn. n.**

**DROSOPHIOPSIS** Séguy, 1951f: 310. Type-species: *Drosophilopsis scaevolaevora* Séguy, 1951, by original designation. **Syn. n.**

- africana** Bächli, 1971: 61. Zaire; Central African Republic, Nigeria.
- ambigua** Kahl, 1917: 389. Cameroun.
- apicifera** Adams, 1905: 185 (*Drosophila*). Rhodesia; Cameroun, Kenya, Nigeria, Sierra Leone, South Africa, Zaire.
- abrupta** Duda, 1935a: 33. South Africa.
- lewisi* Duda, 1935a: 33. Rhodesia.
- atra** Bächli, 1971: 66. Zaire; Cameroun, Kenya, Uganda.
- basilaris** Adams, 1905: 184 (*Drosophila*). Rhodesia; Tanzania, Zaire.
- bella** Curran, 1928c: 347. Zaire.
- bivirgata** Bächli, 1971: 89. Zaire; Cameroun, Uganda.
- burlai** Bächli, 1971: 74. Zaire; Nigeria, Tanzania.
- buxtoni** Duda, 1935a: 32. Nigeria; Central African Republic, Ghana, Ivory Coast, Rhodesia, Tanzania, Uganda.
- caliginosa** Bächli, 1971: 103. Zaire; Cameroun, Nigeria.
- capillata** Bächli, 1971: 90. Zaire; Ghana, Kenya, Nigeria, Tanzania.
- cuneata** Bächli, 1971: 28. Kenya; South Africa, Uganda, Zaire.
- curvipila** Duda, 1939: 52 (as var. of *guttiventris* de Meijere, 1908). Uganda; Aldabra, Cameroun, Congo, Ethiopia, Ivory Coast, Mozambique, Nigeria, Tanzania.
- cuthbertsoni** Malloch, 1929e: 252. Rhodesia; Central African Republic, Ghana, Madagascar, Nigeria, South Africa, Uganda, Zaire.
- decaryi** Séguy, 1932b: 94 (*Ptyelusimyia*). Madagascar. **Comb. n.**
- denigrata** Bächli, 1971: 35. Zaire; Cameroun, Ethiopia, Nigeria, Tanzania, Uganda.
- dentata** Bächli, 1971: 110. Zaire; Cameroun, Central African Republic, Ivory Coast, Nigeria.
- dilatata** Bächli, 1971: 100. Zaire; Ethiopia, Nigeria.
- disjuncta** Bächli, 1971: 32. Uganda; Nigeria, Zaire.
- dudai** Bächli, 1971: 64. Zaire; Ivory Coast, Nigeria, Rhodesia, South Africa, Tanzania, Uganda.
- edwardsi** Bächli, 1971: 36. Uganda.
- flaviseta** Adams, 1905: 184 (*Drosophila*). Rhodesia; South Africa, Uganda, Zaire.
- setulosa* Duda, 1939: 39. South Africa & Uganda.
- flavopuncta** Malloch, 1925c: 83. South Africa; Uganda, Zaire.
- fuscorbitata** Bächli, 1971: 68. Zaire.
- goodi** Kahl, 1917: 388. Cameroun; Central African Republic, Ivory Coast, Nigeria.
- yaure* Burla, 1954: 34. Ivory Coast.
- grossipalpis** Lamb, 1914: 328 (*Drosophila*). Seychelles.
- guro** Burla, 1954: 35. Ivory Coast.
- imminuta** Bächli, 1971: 50. Zaire.
- incurvata** Bächli, 1971: 114. Zaire; Cameroun, Ivory Coast.
- kilembensis** Bächli, 1971: 31. Uganda; Nigeria, Zaire.
- latevittata** Duda, 1939: 48. Uganda; Cameroun, Ivory Coast, Zaire.
- magnornata** Bächli, 1971: 30. Uganda; Cameroun, South Africa, Zaire.
- mansura** Adams, 1905: 185 (*Drosophila*). Rhodesia; Ethiopia, Ivory Coast, South Africa, Uganda, Zaire.
- zonata* Curran, 1939d: 2. Rhodesia.
- munroi** Duda, 1939: 45. South Africa.
- mutabilis** Adams, 1905: 187 (*Drosophila*). Rhodesia; Central African Republic, Congo, Ethiopia, Ivory Coast, Namibia, Nigeria, Uganda, Zaire.
- flavipalpis* Duda, 1939: 50. Uganda.
- neopalpalis** Bächli, 1971: 85. Zaire; Cameroun, Central African Republic.
- neovittata** Bächli, 1971: 81. Zaire.
- nigrorbitata** Bächli, 1971: 67. Zaire.

- oedipus** Séguy, 1938j: 344. Kenya.
- palpalis** Adams, 1905: 185 (*Drosophila*). Rhodesia; Cameroun, Central African Republic, Ivory Coast, Nigeria, Uganda, Zaire.
- paracapillata** Bächli, 1971: 92. Zaire; Cameroun, Central African Republic, Ivory Coast, Liberia, Nigeria, Uganda.
- paracuthbertsoni** Bächli, 1971: 40. Ivory Coast; Ghana, Rhodesia, Tanzania, Uganda, Zaire.
- paraflaviseta** Bächli, 1971: 72. Zaire; Cameroun, Central African Republic, Ivory Coast, Kenya, Nigeria, Tanzania, Uganda.
- perargentata** Bächli, 1971: 107. Zaire; Cameroun, Central African Republic, Ivory Coast, Nigeria, Tanzania.
- pleurovirgata** Bächli, 1971: 55. Zaire.
- proxima** Adams, 1905: 186 (*Drosophila*). Rhodesia; Cameroun, Central African Republic, Congo, Ghana, Ivory Coast, Malawi, Nigeria, Uganda, Zaire.  
*chapini* Curran, 1939d: 2. Zaire.
- repleteoides** Bächli, 1971: 34. Zaire; Uganda.
- scaevolaevora** Séguy, 1951f: 310 (*Drosophilopsis*). Madagascar. **Comb. n.**
- sema** Burla, 1954: 32. Ivory Coast; Cameroun.
- semicapillata** Bächli, 1971: 93. Zaire.
- sericea** Lamb, 1914: 326 (*Drosophila*). Seychelles.
- serrata** Bächli, 1971: 113. Zaire; Ivory Coast.
- sierraleonica** Bächli, 1971: 124. Sierra Leone; Mozambique, Nigeria.
- striata** Bachli, 1971: 95. Zaire.
- subpollinosa** de Meijere, 1914: 263 (*Drosophila*). Java; Ethiopia (Eritrea), Nigeria, South Africa, widespread Oriental Reg. to Japan, Micronesia, Ryukyu Is.  
*flavicosta* Duda, 1926d: 53 (as var.). Sumatra.
- subvirgata** Bächli, 1971: 56. Zaire.
- subvittata** Duda, 1939: 47. Uganda; Angola, Cameroun, Ivory Coast, Nigeria, Zaire.
- tenebrosa** Bächli, 1971: 104. Zaire.
- umbrosa** Bächli, 1971: 76. Uganda.

### Genus PARALEUCOPHENGA Hendel

**PARALEUCOPHENGA** Hendel, 1914g: 114. Type-species: *Paraleucophenga triseta* Hendel, 1914 [= *Helomyza invicta* Walker, 1850], by original designation.  
**semiplumata** Duda, 1939: 38 (*Leucophenga*). Uganda; Cameroun, Nigeria, Zaire.

### Genus STEGANA Meigen

**STEGANA** Meigen, 1830: 79. Type-species: *Stegana nigra* Meigen, 1830 [= *Drosophila curvipennis* Fallén, 1823], by designation of Zetterstedt (1847: 2577).  
**PROTOSTEGANA** Hendel, 1920a: 53. Type-species: *Drosophila curvipennis* Fallén, 1823, by original designation.  
**africana** Malloch, 1934a: 138. Rhodesia; Kenya.  
**nigrifrons** de Meijere, 1911b: 418. Java; South Africa, Formosa, Japan, Sumatra.  
**proximata** Séguy, 1938j: 343 (*Protostegana*). Kenya.

### Subfamily DROSOPHILINAE

### Genus CHYMODYZA Czerny

**CHYMODYZA** Czerny, 1903b: 199. Type-species: *Drosophila fuscimana* Zetterstedt, 1847, by designation of Sturtevant (1921: 61).

- avikam** Burla, 1954:44. Ivory Coast.  
**bambara** Burla, 1954:41. Ivory Coast.  
**bicolor** Lamb, 1914:348. Seychelles; Chagos Is.  
**lahu** Burla, 1954:45. Ivory Coast; Cameroun.  
**mafú** Burla, 1954:43. Ivory Coast.

### Genus DETTOPSOMYIA Lamb

- DETTOPSOMYIA** Lamb, 1914:349. Type-species: *Dettopsomyia formosa* Lamb, 1914, by original designation.  
**PICTOSTYLOPTERA** Duda, 1924a:192. Type-species: *Drosophila preciosa* de Meijere, 1911, by monotypy.  
**bombax** Burla, 1954:79 (? *Mycodrosophila*). Ivory Coast; Uganda.  
**formosa** Lamb, 1914:350. Seychelles; Philippines, Solomon Is, Caroline Is, Hawaii, Central Amer.  
**nigrovittata** Malloch, 1924c:352 (*Drosophila*). Australia; Zaire, Japan, Hawaii, U.S.A.  
**argentifrons** Okada, 1956:55. Japan.

### Genus DROSOPHILA Fallén

- DROSOPHILA** Fallén, 1823e:4. Type-species: *Musca funebris* Fabricius, 1787, by designation of Zetterstedt (1847:2542).

#### Subgenus DICHAETOPHORA Duda

- DICHAETOPHORA** Duda, 1940a:19. Type-species: *Drosophila aberrans* Lamb, 1914 by monotypy.  
**DICHAETOPHILA**. Incorrect subsequent spelling of *Dichaetophora*.  
**aberrans** Lamb, 1914:334. Seychelles.  
**agbo** Burla, 1954:104. Ivory Coast; Cameroun, Central African Republic.  
**imitans** Graber, 1957:315. Zaire.  
**suruka** Burla, 1954:107. Ivory Coast: Cameroun.

#### Subgenus DORSIOPHORA Sturtevant

- DORSIOPHORA** Sturtevant, 1942:28. Type-species: *Drosophila busckii* Coquillett, 1901, by original designation.  
**busckii** Coquillett, 1901a:18. U.S.A.; Réunion, South Africa, almost cosmopolitan.  
*busckii*. Incorrect original spelling of *busckii*.  
*rubrostriata* Becker, 1908:155. Canary Is.  
*plurilineata* Villeneuve, 1911:83. France.

#### Subgenus DROSOPHILA Fallén

- DROSOPHILA** Fallén, 1823e:4 (as genus). Type-species: *Musca funebris* Fabricius, 1787, by designation of Zetterstedt (1847:2542).  
**adamsi** Wheeler, 1959:183 (replacement name for *quadrimaculata* Adams). Rhodesia; Cameroun, Central African Republic, Ethiopia, Kenya, Nigeria, South Africa, Uganda.  
*quadrimaculata* Adams, 1905:182. Rhodesia. [Junior homonym, preocc. *quadri maculata* Walker, 1856.]  
**baole** Burla, 1954:187. Ivory Coast.

- cogani** Tsacas & Disney, 1974:364. Cameroun; Liberia.  
**debilis** Walker, 1849:1109. Sierra Leone.  
**fraburu** Burla, 1954:183. Ivory Coast; Angola.  
**funebris** Fabricius, 1787:345 (*Musca*). Denmark; Guinea, Madagascar, South Africa, almost cosmopolitan.  
*aceti* Kollar, 1851:205. Austria.  
**gibbinsi** Aubertin, 1937:169. Uganda; South Africa.  
**hirtipes** Lamb, 1914:337. Seychelles.  
**immigrans** Sturtevant, 1921:83. U.S.A.; Réunion, St Helena, South Africa, almost cosmopolitan.  
*ciliifemur* Villeneuve, 1923a:28. France.  
*flexipilosa* Pipkin, 1964:238. Panama.  
**iri** Burla, 1954:180. Ivory Coast; Cameroun, Congo, Fernando Póo, Zaire.  
**nasuta** Lamb, 1914:346. Seychelles; Benin, Congo, Kenya, Madagascar, Mauritius.  
**nutritia** Duda, 1935a:33. Rhodesia; Cameroun, Ivory Coast.  
*dumuya* Burla, 1954:185. Ivory Coast. **Syn. n.**  
**paucilineata** Burla, 1957:38. Kenya.  
**ponera** Tsacas & David, 1975a:140. Réunion.  
**pruinosa** Duda, 1940a:41. Uganda; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Kenya.  
**punctatipennis** Tsacas & David, 1975b:375. Réunion.  
**punctatonervosa** Frey, 1954:32. Tristan da Cunha; St Helena, South Africa.  
*poeciloptera* Duda, 1940a:34. South Africa. [Junior homonym, preocc. *poeciloptera* Duda, 1925.]  
**repleta** Wollaston, 1858:117. Madeira; widespread Afr. (inc. N. Afr.), Madagascar, Mauritius, Rodriguez, St Helena, cosmopolitan.  
*punctulata* Loew, 1862h:232 [1864d:102]. Cuba.  
*adspersa* Mik, 1886c:328. Austria & Ghana.  
*nigropunctata* Wulp, 1891:216. Java.  
**sexlineata** Duda, 1940a:36 (as var. of *quadrimaculata* Adams). South Africa.  
**simulivora** Tsacas & Disney, 1974:366. Cameroun.

#### Subgenus HIRTODROSOPHILA Duda

- HIRTODROSOPHILLA** Duda, 1923b:41, 42 (as genus) [1924a:203 (as subgenus)]. Type-species: *Hirtodrosophila carinata* Duda, 1923 [junior homonym, preocc. *carinata* Grimshaw, 1901, = *Drosophila latifrontata* Frota-Pessoa, 1945], by designation of Frota-Pessoa (1945:471). [No generic characterization in 1923 work but name available by indication under I.C.Z.N. Code Article 16(a)(v).]  
**DASYDROSOPHILA** Duda, 1925b:152 ([unnecessary] replacement name for *Hirtodrosophila*).  
**akabo** Burla, 1954:109. Ivory Coast; Central African Republic.  
**borbonica** Tsacas & David, 1975b:373. Réunion.  
**sanyi** Burla, 1954:113. Ivory Coast.  
**vina** Burla, 1954:112. Ivory Coast.

#### Subgenus SCAPTODROSOPHILA Duda

- SCAPTODROSOPHILA** Duda, 1923b:37 [1924a:180] (as genus). Type-species: *Scaptodrosophila scaptomyzoidea* Duda, 1923, by original designation and monotypy ('gen. n., sp. n.').

- PUGIODROSOPHILA* Duda, 1924:203. Type-species: *Drosophila pugionata* de Meijere, 1915, by monotypy.
- XIPHIDIOCHAETA* Duda, 1925b:200 ([unnecessary] replacement name for *Pugiodrosophila*).
- PHOLADORIS* Sturtevant, 1942:28. Type-species: *Drosophila victoria* Sturtevant, 1942, by original designation.
- ADROSOPHILA* Séguy, 1938j:344 (as genus). Type-species: *Adrosophila minuta* Séguy, 1938 [junior homonym, preocc. *minuta* Walker, 1853, =*Drosophila smicra* Tsacas nom. n.], by original designation. *Syn. n.*
- adyukru* Burla, 1954:138. Ivory Coast.
- afra* Frey, 1958:42 (*Clasiopella*). Cape Verde Is. *Comb. n.*
- agarmse* Burla, 1954:129. Ivory Coast; Central African Republic.
- akaju* Burla, 1954:155. Ivory Coast.
- anyi* Burla, 1954:145. Ivory Coast; Cameroun.
- aterrima* Duda, 1940a:48. Uganda; Ivory Coast, Malawi, Uganda.
- bangi* Burla, 1954:143. Ivory Coast; Cameroun, Central African Republic, Congo.
- caliginosa* Lamb, 1914:341. Seychelles.
- dibi* Burla, 1954:126. Ivory Coast; Kenya.
- ebenea* Gruber, 1957:307. Zaire.
- eoundo* Tsacas & Chassagnard, 1976:94. Cameroun; Ivory Coast.
- finitima* Lamb, 1914:340. Seychelles; South Africa.
- framire* Burla, 1954:128. Ivory Coast; Cameroun, Uganda.
- lambi* Duda, 1940a:48 (replacement name for *pallipes* Lamb). Seychelles; Cameroun, Central African Republic, Ivory Coast, Uganda.
- pallipes* Lamb, 1914:342. Seychelles. [Junior homonym, preocc. *pallipes* Dufour, 1846.]
- latifasciaeformis* Duda, 1940a:22. Uganda; Cameroun, Central African Republic, Congo, Ethiopia, Gabon, Ivory Coast, Kenya, Niger, Rodriguez, Uganda, U.S.A., Mexico, West Indies, S. Amer.
- gracilipes* Duda, 1940a:39 (as var. of *finitima*). Rodriguez.
- mirim* Dobzhansky & Pavan, 1943:62. Brazil.
- baeomyia* Wheeler, 1949:145. Mexico.
- mrbettie* Burla, 1954:149. Ivory Coast; Cameroun.
- medleri* Tsacas & Chassagnard, 1976:95. Nigeria.
- mokonfim* Burla, 1954:131. Ivory Coast; Cameroun, Central African Republic.
- morondu* Burla, 1954:134. Ivory Coast.
- pseudoebenea* Gruber, 1957:308. Zaire.
- pugionata* de Meijere, 1915:56. Sumatra (Simeuluë); Ivory Coast.  
pugionata. Incorrect subsequent spelling of *pugionata*.
- rufuloventer* Lamb, 1914:344. Seychelles.
- saba* Burla, 1954:141. Ivory Coast; Cameroun.
- senufo* Burla, 1954:137. Ivory Coast.
- smicra* Tsacas nom. n. Madagascar.  
*minuta* Séguy, 1938j:345 (*Adrosophila*). Madagascar. [Junior homonym, preocc. *minuta* Walker, 1853.]
- triangulifer* Lamb, 1914:343. Seychelles; Cameroun, Ivory Coast.
- uebe* Burla, 1954:148. Ivory Coast.

#### Subgenus SOPHOPHORA Sturtevant

- SOPHOPHORA* Sturtevant, 1939:139. Type-species: *Drosophila melanogaster* Meigen, 1830, by original designation.
- abron* Burla, 1954:170. Ivory Coast; Central African Republic.

- abure** Burla, 1954:168. Ivory Coast.
- akai** Burla, 1954:73. Ivory Coast; Cameroun, Central African Republic, Uganda.
- alladian** Burla, 1954:175. Ivory Coast; Cameroun, Central African Republic.
- ananassae** Doleschall, 1858:128. Moluccas (Amboin); widespread Afrotrop. Reg. (incl. Madagascar, Mauritius, Réunion, Seychelles), circumtropical.
- imparata** Walker, 1895a:126. Aru Is.
- similis** Lamb, 1914:347. Seychelles. [Junior homonym, preocc. *similis* Williston, 1896.]
- caribea** Sturtevant, 1916:335. Cuba.
- errans** Malloch, 1933a:21 [1935:21] (replacement name for *similis* Lamb).
- bakoue** Tsacas & Lachaise, 1974:197. Ivory Coast; Cameroun, Central African Republic, Congo.
- bipectinata** Duda, 1923b:52. 'India or.'; Mauritius, Réunion, widespread Oriental Reg., Melanesia, Micronesia, Samoa.
- bocqueti** Tsacas & Lachaise, 1974:204. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon.
- burlai** Tsacas & Lachaise, 1974:200. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon, Malawi.
- dentissima** Bock & Wheeler, 1972:83. South Africa.
- diplacantha** Tsacas & David, 1978a:681. Cameroun; Congo, Guinea, Ivory Coast.
- dyula** Burla, 1954:178. Ivory Coast; Cameroun, Central African Republic, Congo, Nigeria.
- ercepeiae** Tsacas & David, 1975a:134. Réunion.
- erecta** Tsacas & Lachaise, 1974:193. Ivory Coast; Cameroun, Congo.
- firma** Burla, 1954:165. Ivory Coast; Cameroun, Central African Republic, Congo, Nigeria.
- greeni** Bock & Wheeler, 1972:82. Rhodesia; Cameroun, Central African Republic, Gabon, Ivory Coast.
- iroko** Burla, 1954:171. Ivory Coast.
- kulango** Burla, 1954:172. Ivory Coast; Central African Republic.
- malerkottiana** Parshad & Paika, 1965:235. India; Benin, Cameroun, Central African Republic, Gabon, Ivory Coast, Mali, Nigeria, Senegal, Seychelles, Togo, Uganda, Zaire, widespread Oriental Reg., Brazil.
- matilei** Tsacas, 1975:148. Cameroun.
- mauritiana** Tsacas & David, 1974:42. Mauritius.
- melanogaster** Meigen, 1830:85. Austria; cosmopolitan.
- fasciata** Meigen, 1830:84. Germany.
- nigriventris** Macquart, 1843:416 (259). 'Cochinchine'.
- approximata** Zetterstedt, 1847:2557. Sweden.
- ampelophila** Loew, 1862h:231 [1864d:101]. Cuba.
- uvvarum** Rondani, 1876:86. Italy.
- pilosula** Becker, 1908:156. Canary Is.
- emulata** Ray Chaudhuri & Mukherjee, 1941:216. India.
- microlabis** Séguy, 1938j:351. Kenya.
- nikanamu** Burla, 1954:160. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon, Nigeria.
- opisthomelaina** Nolte & Stoch, 1950:90. South Africa.
- orena** Tsacas & David, 1978b:179. Cameroun.
- seguyi** Smart, 1945:56 (replacement name for *subobscura* Séguy). Kenya; widespread E. & ssthn Afr.
- subobscura** Séguy, 1938j:352. Kenya. [Junior homonym, preocc. *subobscura* Collin, 1936.]
- simulans** Sturtevant, 1919:153. U.S.A.; cosmopolitan (inc. St Helena).

- teissieri** Tsacas, 1971:35. Rhodesia; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Niger, Zaire.
- tsacasi** Bock & Wheeler, 1972:79. Ivory Coast; Cameroun, Central African Republic, Congo.
- vulcana** Graber, 1957:309. Zaire; South Africa.
- vumbaæ** Bock & Wheeler, 1972:84. Rhodesia.
- yakuba** Burla, 1954:161. Ivory Coast; widespread Afr.

#### Subgenerically unplaced species of *Drosophila*

- comœ** Burla, 1954:205. Ivory Coast; Cameroun.
- diamœ** Burla, 1954:192. Ivory Coast; Cameroun.
- dyaramankana** Burla, 1954:196. Ivory Coast; Cameroun, Uganda.
- facialis** Adams, 1905:183. Rhodesia.
- jucunda** Lamb, 1914:330. Seychelles.
- kuoni** Burla, 1954:190. Ivory Coast.
- latifrons** Adams, 1905:182. Rhodesia.
- lucida** Séguy, 1938j:351. Kenya.
- megaspis** Bezzì, 1908c:191. Ethiopia (Eritrea).
- momortica** Graber, 1957:311. Zaire.
- notabilis** Lamb, 1914:329. Seychelles.
- plagiata** Bezzì, 1908b:197. South Africa.
- remota** Walker, 1849:111. Tristan da Cunha.
- sogo** Burla, 1954:198. Ivory Coast; Central African Republic.
- spinipes** Lamb, 1914:336. Seychelles; Ivory Coast.
- suma** Burla, 1954:200. Ivory Coast; Zaire.
- tibudu** Burla, 1954:194. Ivory Coast; Cameroun.
- trichiaspis** Duda, 1940a:31. South Africa.
- trichiopsis**. Incorrect original spelling of *trichiaspis* (Duda, 1940a:25).

#### Genus JEANNELOPSIS Séguy

- JEANNELOPSIS** Séguy, 1938j:345. Type-species: *Jeannelopsis mirabilis* Séguy, 1938, by original designation.
- mirabilis** Séguy, 1938j:345. Kenya.

#### Genus LIODROSOPHILA Duda

- LIODROSOPHILA** Duda, 1922:153. Type-species: *Camilla coeruliefrons* de Meijere, 1911, by designation of Okada (1956:57).
- divergens** Okada, 1974:36. Madagascar.
- madagascarensis** Okada, 1974:37. Madagascar.
- melania** Séguy, 1938j:350 (*Scaptomyza*). Kenya. **Comb. n.**
- sinuata** Okada, 1974:35. Madagascar.

#### Genus LISSOCEPHALA Malloch

- LISSOCEPHALA** Malloch, 1929e:250. Type-species: *Lissoccephala unipuncta* Malloch, 1929, by original designation.
- ambigua** Tsacas & Chassagnard, 1978:205. Ivory Coast; Nigeria.
- disjuncta** Tsacas & Chassagnard, 1978:205. Ivory Coast.
- juncta** Tsacas & Chassagnard, 1978:205. Ivory Coast.
- sanu** Burla, 1954:202. Ivory Coast; Cameroun, Central African Republic.

**unipuncta** Malloch, 1929e: 251. Rhodesia; South Africa.  
*punctipennis* Duda, 1940a: 29 (as var. of *bicolor* de Meijere, 1911). South Africa.

### Genus MICRODROSOPHILA Malloch

**MICRODROSOPHILA** Malloch, 1921f: 312. Type-species: *Drosophila quadrata* Sturtevant, 1916, by original designation.  
**INCISURIFRONS** Duda, 1924a: 202 (as subgenus of *Drosophila*). Type-species: *Drosophila congesta* Zetterstedt, 1847, by monotypy.  
**OXYSTYLOPTERA** Duda, 1924a: 192. Type-species: *Drosophila tectifrons* de Meijere, 1914, by designation of Burla (1954: 98).  
**HOPKINSOMYIA** Malloch, 1934b: 289. Type-species: *Hopkinsomyia convergens* Malloch, 1934, by original designation.  
**korogo** Burla, 1954: 97. Ivory Coast; Cameroun.  
**mabi** Burla, 1954: 94. Ivory Coast; Cameroun.  
**mamaru** Burla, 1954: 100 (*Oxystyloptera*). Ivory Coast; Cameroun.  
**sexsetosa** Duda, 1939: 56 (*Oxystyloptera*). Uganda; Cameroun, Ivory Coast.

### Genus MYCODROSOPHILA Oldenberg

**MYCODROSOPHILA** Oldenberg, 1914: 4. Type-species: *Amiota poecilogastra* Loew, 1874, by monotypy.  
**adyala** Burla, 1954: 66. Ivory Coast.  
**atie** Burla, 1954: 69. Ivory Coast.  
**ditan** Burla, 1954: 63. Ivory Coast; Uganda.  
**fracticosta** Lamb, 1914: 329 (*Drosophila*). Seychelles; Central African Republic, Ivory Coast, South Africa, Uganda.  
**gaku** Burla, 1954: 65. Ivory Coast.  
**kabakolo** Burla, 1954: 75. Ivory Coast; Cameroun.  
**longicornis** Séguy, 1933c: 38. Mozambique.  
**nigerrima** Lamb, 1914: 331 (*Drosophila*). Seychelles; Cameroun, Ivory Coast.  
**nigrobrunnea** Lamb, 1914: 332 (*Drosophila*). Seychelles.  
**suluma** Burla, 1954: 61. Ivory Coast.  
**sunguru** Burla, 1954: 77. Ivory Coast.

### Genus NEOTANYGASTRELLA Duda

**NEOTANYGASTRELLA** Duda, 1925b: 201, 203, 224. Type-species: *Neotanygastrella tricoloripes* Duda, 1925, by original designation and monotypy ('gen. n., sp. n.').  
**abbe** Burla, 1954: 50. Ivory Coast.  
**africana** Burla, 1954: 48. Ivory Coast.  
**makore** Burla, 1954: 51. Ivory Coast.  
**miti** Burla, 1954: 52. Ivory Coast.  
**naboika** Burla, 1954: 53. Ivory Coast.

### Genus SCAPTOMYZA Hardy

**SCAPTOMYZA** Hardy, 1849: 361. Type-species: *Drosophila graminum* Fallén, 1823, by designation of Coquillett (1910: 603).

**Subgenus EUSCAPTOMYZA Séguy**

**EUSCAPTOMYZA** Séguy, 1938j:346 (as genus). Type-species: *Euscaptomyza chylizosoma* Séguy, 1938, by original designation.  
*chylizosoma* Séguy, 1938j:347 (*Eusaptomyza*). Kenya; Uganda.  
*deemingi* Tsacas, 1972:348. Nigeria.  
*kilembea* Tsacas, 1972:351. Uganda.

**Subgenus HEMISCAPTOMYZA Hackman**

**HEMISCAPTOMYZA** Hackman, 1959:19. Type-species: *Geomyza unipunctum* Zetterstedt, 1847, by original designation.  
*longipennis* Séguy, 1938j:349. Kenya.

(♀) **Subgenus LAUXANOMYZA Tsacas & Cogan**

**LAUXANOMYZA** Tsacas & Cogan, [1977]:90. Type-species: *Scaptomyza horaeoptera* Tsacas & Cogan, 1977, by original designation.  
<sup>v</sup> **horaeoptera** Tsacas & Cogan, [1977]:91. St Helena.

**Subgenus MACROSCAPTOMYZA Frey**

**MACROSCAPTOMYZA** Frey, 1954:27 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza altissima* Frey, 1954, by original designation.  
*altissima* Frey, 1954:27 (*Parascaptomyza*). Tristan da Cunha; Gough I.  
*helvola* Frey, 1954:30 (*Parascaptomyza*). Tristan da Cunha.

**Subgenus METASCAPTOMYZA Hackman**

**METASCAPTOMYZA** Hackman, 1959:17. Type-species: *Scaptomyza cochleata* Burla, 1957, by original designation.  
**cochleata** Burla, 1957:45. Kenya.  
**dorsalis** Séguy, 1938j:348. Kenya; Cameroun.

**Subgenus PARASCAPTOMYZA Duda**

**PARASCAPTOMYZA** Duda, 1924a:203, 210 (as subgenus of *Drosophila*). Type-species: *Drosophila graminum* Fallén, 1823, sensu Duda [misident., = *Drosophila pallida* Zetterstedt, 1847], by monotypy.  
**CTENOSCAPTOMYZA** Frey, 1954:22 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza horrida* Frey, 1954, by original designation.  
**TRISTANOMYZA** Frey, 1954:31 (as genus). Type-species: *Tristanomyia frustulifera* Frey, 1954, by original designation.  
*angustipennis* Frey, 1954:26 (*Parascaptomyza*). Tristan da Cunha.  
*frustulifera* Frey, 1954:31 (*Tristanomyia*). Tristan da Cunha; Gough I.  
*horrida* Frey, 1954:22 (*Parascaptomyza*). Tristan da Cunha.  
*incerta* Frey, 1954:25 (*Parascaptomyza*). Tristan da Cunha.  
*pallida* Zetterstedt, 1847:2571 (*Drosophila*). Scandinavia; cosmopolitan (incl. St Helena).  
*disticha* Duda, 1921a:24 (*Parascaptomyza*). Tristan da Cunha.  
*pectinifera* Frey, 1954:24 (*Parascaptomyza*). Tristan da Cunha.

### Subgenus SCAPTOMYZA Hardy

**SCAPTOMYZA** Hardy, 1849: 361 (as genus). Type-species: *Drosophila graminum* Fallén, 1823, by designation of Coquillett (1910: 603).

**SCAPTOMYZELLA** Hendel, 1928a: 290, 291 (as genus). Type-species: *Drosophila flava* Fallén, 1823, by original designation.

**SCAPTOMYZATTA**. Incorrect original spelling of *Scaptomyzella* (Hendel, 1928a: 290).

**graminum** Fallén, 1823e: 8 (*Drosophila*). Sweden; Kenya, South Africa, Europe, N. Amer.

**borealis** Wheeler, 1952: 204. U.S.A.

**mimitantalia** Tsacas & Cogan, [1977]: 89. St Helena.

**santahelenica** Tsacas & Cogan, [1977]: 86. St Helena.

### Subgenus TROGLOSCAPTOMYZA Frey

**TROGLOSCAPTOMYZA** Frey, 1954: 21 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza brevilamellata* Frey, 1954, by original designation. *brevilamellata* Frey, 1954: 21 (*Parascaptomyza*). Tristan da Cunha.

### Subgenerically unplaced species of *Scaptomyza*

**punctiscutata** Lamb, 1914: 333 (*Drosophila*). Seychelles. **Comb. n.**

### Genus ZAPRIONUS Coquillett

**ZAPRIONUS** Coquillett, 1902a: 31. Type-species: *Zaprionus vittiger* Coquillett, 1902, by original designation.

**arduus** Collart, 1937b: 5. Zaire; Ivory Coast.

**armatus** Collart, 1937a: 9. Zaire; Cameroun, Ivory Coast.

**badyi** Burla, 1954: 93. Ivory Coast.

**collarti** Tsacas **nom. n.** Madagascar.

**inermis** Séguy, 1938j: 343. Madagascar. [Junior homonym, preocc. *inermis* Collart, 1937.]

**fumipennis** Séguy, 1938j: 343. Kenya.

**ghesquierei** Collart, 1937a: 8. Zaire; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Niger, Nigeria, Uganda.

**simplicifemur** Duda, 1939: 22. Uganda.

**inermis** Collart, 1937a: 11. Zaire; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Uganda.

**tenor** Curran, 1939d: 3. Zaire.

**koroleu** Burla, 1954: 86. Ivory Coast; Uganda.

**mascareniensis** Tsacas & David, 1975b: 379. Mauritius; Réunion.

**momorticus** Graber, 1957: 313. Zaire.

**montanus** Collart, 1937a: 3. Zaire; Cameroun, Ivory Coast, Rwanda, Uganda.

**bispinosus** Duda, 1939: 19 (as var. of *vittiger*). Uganda.

**neglectus** Collart, 1937b: 3. Zaire; Ivory Coast.

**niabu** Burla, 1954: 92. Ivory Coast; Cameroun, Nigeria.

**ornatus** Séguy, 1933c: 40. Ivory Coast; widespread Afr.

**proximus** Collart, 1937d: 1. Kenya.

**sepsoides** Duda, 1939: 17. Uganda; widespread Afr.

**sexvittatus** Collart, 1937d: 2. Kenya; Zaire.

**spinosus** Collart, 1937a: 13. Zaire; Cameroun.

- tuberculatus** Malloch, 1932a:11. Rhodesia; widespread Afrotrop. Reg. (incl. Madagascar, Mauritius, Réunion, St Helena).
- vittiger** Coquillett, 1902a:32. South Africa; widespread Afr. (Incl. Madagascar, Mauritius, Réunion, Rodriguez, St Helena), sthn Arabia.
- vrydaghi** Collart, 1937b:2. Zaire; Uganda.